

## VIDEO ON DEMAND METHODS AND SYSTEMS

## **ABSTRACT**

An entertainment head-end provides broadcast programming, video-on-demand services, and HTML-based interactive programming through a distribution network to client terminals in subscribers' homes. A number of different features are provided, including novel user interfaces, enhanced video-on-demand controls, a variety of interactive services (personalized news, jukebox, games, celebrity chat), and techniques that combine to provide user experiences evocative of conventional television.

Parameter	Value	Unit
Initial concentration	1.0	g/L
Initial pH	7.0	
Temperature	25	°C
Time	0-120	min
Agitation speed	150	rpm
Batch size	100	mL
Adsorbent dose	0.1-1.0	g/L
Adsorbent type	Activated carbon	
Adsorbent surface area	1000	m <sup>2</sup> /g
Adsorbent pore volume	0.5	cm <sup>3</sup> /g
Adsorbent density	0.5	g/cm <sup>3</sup>
Adsorbent particle size	0.25-0.5	mm
Adsorbent batch	1	
Adsorbent source	Commercial	
Adsorbent treatment	None	
Adsorbent regeneration	None	
Adsorbent reuse	None	
Adsorbent disposal	Landfill	
Adsorbent cost	1.0	\$/g
Adsorbent availability	High	
Adsorbent stability	High	
Adsorbent toxicity	Low	
Adsorbent biodegradability	Low	
Adsorbent recyclability	Low	
Adsorbent renewability	Low	
Adsorbent sustainability	Low	
Adsorbent social acceptability	Low	
Adsorbent regulatory compliance	Low	
Adsorbent overall performance	Low	